

Table 10. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by industry division and number of days away from work, 1998

Michigan--local government

Characteristic	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Private industry ² [7,560 cases]	100.0	14.2	13.5	22.5	11.6	7.9	10.2	20.1	5.0
Goods producing:									
Agriculture, forestry, and fishing ²	--	--	--	--	--	--	--	--	--
Mining ³	--	--	--	--	--	--	--	--	--
Construction	100.0	11.0	10.3	12.3	12.9	14.0	7.9	31.6	15.0
Manufacturing	--	--	--	--	--	--	--	--	--
Durable goods	--	--	--	--	--	--	--	--	--
Nondurable goods	--	--	--	--	--	--	--	--	--
Service producing:									
Transportation and public utilities ³	--	--	--	--	--	--	--	--	--
Wholesale trade	--	--	--	--	--	--	--	--	--
Retail trade	--	--	--	--	--	--	--	--	--
Finance, insurance, and real estate	--	--	--	--	--	--	--	--	--
Services	100.0	15.8	15.8	21.0	13.8	8.1	10.0	15.5	5.0
Public Administration	100.0	13.6	11.8	25.5	9.5	7.0	10.7	21.9	5.0

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data from nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 9. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and number of days away from work, 1998

Michigan--local government

Characteristic	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Total [7,560 cases]	100.0	14.2	13.5	22.5	11.6	7.9	10.2	20.1	5
Nature of injury, illness:									
Sprains, strains	100.0	14.4	15.0	20.0	12.7	7.9	5.6	24.3	6
Bruises, contusions	100.0	36.1	4.2	42.3	5.1	5.7	0.6	5.8	3
Cuts, lacerations	100.0	4.3	36.8	23.7	32.1	1.9	0.2	0.9	3
Fractures	100.0	1.1	2.3	7.7	9.2	17.1	42.1	20.6	26
Heat burns	100.0	8.4	13.2	0.9	6.6	--	70.9	--	21
Carpal tunnel syndrome	100.0	0.7	--	5.0	--	--	54.0	40.4	21
Tendonitis	100.0	--	4.1	68.3	7.1	6.1	--	14.5	3
Chemical burns	--	--	--	--	--	--	--	--	--
Amputations	100.0	--	--	--	1.6	3.5	92.1	2.8	28
Multiple injuries	100.0	18.7	12.3	20.6	2.5	26.8	8.3	11.0	4
Part of body affected:									
Head	100.0	23.0	6.6	46.9	11.9	5.6	0.6	5.3	3
Eye	100.0	28.8	4.1	48.8	16.5	1.3	--	0.4	3
Neck	100.0	10.2	17.4	18.6	35.9	10.1	--	7.8	6
Trunk	100.0	20.5	14.5	13.5	10.3	8.1	4.2	28.9	6
Shoulder	100.0	49.1	7.0	12.0	2.6	4.1	2.7	22.6	2
Back	100.0	12.4	18.5	12.6	13.5	8.2	2.8	31.9	7
Upper extremities	100.0	10.0	17.6	15.6	16.6	4.7	24.5	10.9	9
Wrist	100.0	10.1	3.4	20.7	2.1	5.5	39.8	18.5	21
Hand, except finger	100.0	3.8	1.9	11.4	75.1	2.2	2.5	3.1	9
Finger	100.0	5.2	34.5	10.2	9.2	6.8	30.9	3.3	6
Lower extremities	100.0	8.9	12.8	26.2	11.2	10.4	11.2	19.4	6
Knee	100.0	19.4	17.4	14.2	9.7	20.1	2.9	16.2	5
Foot, except toe	100.0	2.2	0.6	10.4	17.2	0.9	16.4	52.3	39
Toe	100.0	--	1.7	3.1	0.7	21.8	71.2	1.5	28
Body systems	100.0	3.2	8.6	54.4	1.9	2.2	1.6	28.0	4
Multiple parts	100.0	11.9	12.4	25.5	7.8	13.6	6.9	21.9	6

See footnotes at end of table.

Table 9. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and number of days away from work, 1998 -- Continued

Michigan--local government

Characteristic	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Source of injury, illness:									
Chemicals and chemical products	100.0	10.6	28.3	44.4	9.6	1.8	--	5.3	3
Containers	100.0	4.4	25.1	7.6	6.1	7.1	5.7	44.0	20
Furniture and fixtures	100.0	10.5	5.5	18.9	13.4	9.0	30.7	12.0	12
Machinery	100.0	24.2	40.7	8.5	6.4	12.2	0.4	7.7	2
Parts and materials	100.0	8.8	8.3	71.6	3.2	0.4	0.4	7.2	3
Worker motion or position	100.0	8.8	10.6	18.2	9.8	9.9	14.3	28.4	13
Floors, walkways, ground surfaces	100.0	13.3	12.1	29.3	8.8	11.9	8.8	15.9	5
Tools, instruments, and equipment	100.0	10.8	6.1	12.2	53.6	7.1	1.8	8.5	9
Vehicles	100.0	24.0	5.4	17.5	6.6	5.1	28.2	13.2	8
Health care patient	100.0	17.0	16.7	24.1	9.9	8.1	4.1	20.1	5
Event or exposure:									
Contact with objects and equipment	100.0	13.9	14.6	19.7	19.8	6.3	16.1	9.5	8
Struck by object	100.0	16.5	3.4	26.7	35.3	3.9	11.0	3.2	9
Struck against object	100.0	17.4	44.9	9.6	2.8	5.4	1.6	18.3	2
Caught in equipment or object	100.0	2.2	0.7	8.2	10.0	13.9	61.8	3.2	28
Fall to lower level	100.0	12.6	6.7	28.8	12.4	14.7	17.5	7.2	6
Fall to same level	100.0	13.8	14.6	32.8	6.4	9.5	2.7	20.2	5
Slips, trips, loss of balance--without fall	100.0	8.7	9.1	13.8	4.1	33.2	1.9	29.2	13
Overexertion	100.0	10.7	17.7	16.8	12.9	7.0	4.8	30.0	7
Overexertion in lifting	100.0	7.5	18.0	15.6	7.4	3.6	6.4	41.5	13
Repetitive motion	100.0	10.6	1.0	6.5	1.8	0.9	38.1	41.1	21
Exposure to harmful substances	100.0	10.1	9.3	44.3	2.5	1.3	15.3	17.1	4
Transportation accidents	100.0	38.3	6.4	22.8	7.6	5.7	9.4	9.9	3
Fires and explosions	100.0	4.3	69.6	1.6	18.5	6.0	--	--	2
Assaults and violent acts by person	100.0	31.9	11.9	27.9	6.4	8.2	0.9	12.8	3

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

Table 8. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected occupations and number of days away from work, 1998

Michigan--local government									
Occupation	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Total [7,560 cases]	100.0	14.2	13.5	22.5	11.6	7.9	10.2	20.1	5
Janitors and cleaners	100.0	7.9	12.8	19.0	22.5	4.8	7.1	25.9	9
Police and detectives, public service	100.0	38.1	11.3	25.5	2.4	2.8	3.8	16.0	3
Nursing aides, orderlies, and attendants	100.0	14.7	19.5	19.7	14.8	8.7	4.8	17.8	5
Firefighting occupations	100.0	8.1	25.6	17.9	16.6	3.8	11.8	16.1	4
Elementary school teachers, exc. postsecondary	100.0	16.3	46.0	8.0	1.5	11.7	0.5	16.1	2
Groundskeepers and gardeners, exc. farm	100.0	6.1	9.1	13.8	1.5	4.7	60.4	4.4	28
Teachers' aides	100.0	15.3	1.1	38.7	14.6	13.5	11.9	4.8	5
Bus drivers	100.0	11.6	9.3	12.9	15.2	15.4	6.1	29.5	12
Power plant operators	100.0	0.6	--	98.9	--	0.6	--	--	3
Secondary school teachers, exc. postsecondary	100.0	42.5	15.5	1.1	40.9	--	--	--	2
Supervisors, production occupations	100.0	0.6	--	99.4	--	--	--	--	4
Sheriffs, bailiffs, and law enforcement officers	100.0	2.3	--	57.1	7.8	--	9.5	23.3	5
Supervisors, firefighting occupations	100.0	1.9	15.9	3.6	--	19.6	58.9	--	26
Cooks	100.0	1.7	--	5.9	5.9	--	62.0	24.5	21
Truck drivers	100.0	10.6	14.2	17.2	6.2	23.4	5.4	23.0	13
Laborers, nonconstruction	100.0	10.7	7.0	8.1	63.7	10.5	--	--	10
Registered nurses	100.0	16.2	17.3	5.8	35.0	11.3	3.4	10.9	7
Social workers	100.0	7.5	--	13.1	16.8	62.7	--	--	13
Supervisors, food preparation and service occupations	100.0	1.3	1.3	4.0	--	--	93.4	--	21
Secretaries	100.0	11.7	2.9	13.2	5.7	4.4	--	62.2	90
Computer operators	100.0	--	--	--	--	--	--	100.0	74
Licensed practical nurses	100.0	16.4	18.0	6.4	5.3	18.0	--	35.9	13
Administrators, education and related fields	100.0	--	4.9	44.9	1.6	3.7	44.9	--	8
Construction laborers	100.0	14.6	14.3	24.9	--	14.9	22.6	8.8	3
Operating engineers	100.0	--	12.7	21.3	7.5	15.0	1.9	41.5	17
Water and sewage treatment plant operators	100.0	--	6.8	--	--	--	--	93.2	38
Miscellaneous food preparation occupations	100.0	11.3	26.2	34.6	15.8	5.2	--	6.9	4
General office clerks	100.0	68.4	--	--	9.1	15.2	--	7.3	1
Public transportation attendants	100.0	--	20.0	20.0	20.0	20.0	--	20.0	9

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

Table 7. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected worker characteristics and number of days away from work, 1998

Michigan--local government

Characteristic	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Total [7,560 cases]	100.0	14.2	13.5	22.5	11.6	7.9	10.2	20.1	5
Sex:									
Men	100.0	14.1	13.6	22.4	11.7	7.8	9.1	21.4	5
Women	100.0	14.3	13.4	22.7	11.5	8.2	11.9	18.0	5
Age:									
14 to 15	--	--	--	--	--	--	--	--	--
16 to 19	100.0	22.0	4.5	67.2	3.2	--	--	--	4
20 to 24	100.0	10.0	40.6	16.4	5.2	20.7	3.1	4.0	2
25 to 34	100.0	20.7	10.1	22.5	15.4	8.8	5.2	17.2	4
35 to 44	100.0	16.4	12.3	22.0	9.4	5.4	12.3	22.1	5
45 to 54	100.0	9.9	18.3	19.8	12.7	7.4	8.5	23.4	7
55 to 64	100.0	14.8	3.7	31.7	7.6	10.7	6.4	25.2	5
65 and over	100.0	--	--	0.9	11.0	9.4	77.9	0.9	28
Occupation:									
Managerial and professional specialty	100.0	22.1	27.0	9.7	11.9	16.3	3.0	10.0	3
Technical, sales, and administrative support	100.0	17.6	3.4	21.7	10.9	8.4	5.2	32.9	8
Service	100.0	13.8	13.7	21.3	12.2	5.6	11.6	21.7	6
Farming, forestry, and fishing	100.0	5.7	8.6	18.3	1.4	4.4	57.5	4.1	28
Precision production, craft, and repair	100.0	2.9	7.2	57.1	5.7	5.4	2.6	19.0	4
Operators, fabricators, and laborers	100.0	13.5	10.3	14.6	18.7	13.5	6.9	22.6	10
Length of service with employer:									
Less than 3 months	100.0	7.5	13.4	51.2	11.7	5.2	3.6	7.3	4
3 to 11 months	100.0	9.6	4.0	40.2	10.3	16.9	14.1	4.8	5
1 to 5 years	100.0	19.0	10.2	23.0	13.5	5.4	13.1	15.8	5
More than 5 years	100.0	13.4	14.4	18.8	11.1	8.1	9.5	24.8	7
Race or ethnic origin:									
White, non-Hispanic	100.0	17.4	14.8	18.3	13.6	7.7	9.0	19.2	5
Black, non-Hispanic	100.0	14.4	6.1	10.0	18.5	16.3	17.6	17.1	11
Hispanic	--	--	--	--	--	--	--	--	--
Asian or Pacific Islander	100.0	--	1.0	76.8	1.0	--	--	21.1	3
American Indian or Alaskan Native	100.0	--	--	66.5	--	17.0	--	16.5	3

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

Table 6. Incidence rates¹ for nonfatal occupational injuries and illnesses involving days away from work² per 10,000 full-time workers for selected characteristics and industry division, 1998

Michigan--local government											
Characteristic	Local government ³	Goods producing				Service producing					
		Agriculture, forestry, and fishing ³	Mining ⁴	Construction	Manufacturing	Transportation and public utilities ⁴	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total [7,560 cases]	257.9	--	--	619.0	--	--	--	--	--	175.6	395.3
Nature of injury, illness:											
Sprains, strains	122.2	--	--	315.6	--	--	--	--	--	73.2	202.9
Bruises, contusions	25.1	--	--	21.4	--	--	--	--	--	14.8	44.4
Cuts, lacerations	16.5	--	--	23.4	--	--	--	--	--	19.3	--
Fractures	13.9	--	--	56.7	--	--	--	--	--	10.7	17.9
Heat burns	3.5	--	--	--	--	--	--	--	--	4.1	--
Carpal tunnel syndrome	4.7	--	--	13.2	--	--	--	--	--	6.0	--
Tendonitis	1.7	--	--	--	--	--	--	--	--	2.2	--
Chemical burns	--	--	--	--	--	--	--	--	--	--	--
Amputations	6.1	--	--	--	--	--	--	--	--	--	18.3
Multiple injuries	12.4	--	--	43.8	--	--	--	--	--	8.8	17.8
Part of body affected:											
Head	20.7	--	--	--	--	--	--	--	--	13.6	36.2
Eye	14.4	--	--	--	--	--	--	--	--	10.0	24.4
Neck	2.7	--	--	--	--	--	--	--	--	1.0	--
Trunk	89.6	--	--	325.0	--	--	--	--	--	57.7	136.1
Shoulder	19.4	--	--	33.1	--	--	--	--	--	11.3	34.6
Back	53.2	--	--	230.6	--	--	--	--	--	38.0	69.2
Upper extremities	46.5	--	--	110.6	--	--	--	--	--	40.0	55.0
Wrist	13.4	--	--	36.3	--	--	--	--	--	9.6	20.2
Hand, except finger	7.2	--	--	17.7	--	--	--	--	--	9.1	--
Finger	18.3	--	--	43.1	--	--	--	--	--	13.9	26.1
Lower extremities	63.5	--	--	126.5	--	--	--	--	--	42.3	100.9
Knee	18.6	--	--	64.5	--	--	--	--	--	13.6	24.8
Foot, except toe	11.9	--	--	--	--	--	--	--	--	5.8	23.7
Toe	4.6	--	--	--	--	--	--	--	--	2.6	--
Body systems	10.6	--	--	--	--	--	--	--	--	1.9	29.1
Multiple parts	19.2	--	--	47.4	--	--	--	--	--	12.1	30.7

See footnotes at end of table.

Table 6. Incidence rates¹ for nonfatal occupational injuries and illnesses involving days away from work² per 10,000 full-time workers for selected characteristics and industry division, 1998 --- Continued

Michigan--local government											
Characteristic	Local government ³	Goods producing				Service producing					
		Agriculture, forestry, and fishing ³	Mining ⁴	Construction	Manufacturing	Transportation and public utilities ⁴	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Source of injury, illness:											
Chemicals and chemical products	1.8	--	--	--	--	--	--	--	--	--	--
Containers	24.1	--	--	19.4	--	--	--	--	--	20.7	32.2
Furniture and fixtures	8.7	--	--	--	--	--	--	--	--	10.5	--
Machinery	10.0	--	--	65.5	--	--	--	--	--	5.5	16.3
Parts and materials	17.2	--	--	100.9	--	--	--	--	--	2.8	40.7
Worker motion or position	46.9	--	--	95.2	--	--	--	--	--	29.7	77.6
Floors, walkways, ground surfaces	36.4	--	--	49.5	--	--	--	--	--	29.0	49.0
Tools, instruments, and equipment	21.0	--	--	79.1	--	--	--	--	--	23.4	13.0
Vehicles	26.1	--	--	81.3	--	--	--	--	--	5.8	56.8
Health care patient	17.9	--	--	--	--	--	--	--	--	18.3	17.5
Event or exposure:											
Contact with objects and equipment	56.6	--	--	149.9	--	--	--	--	--	48.0	67.7
Struck by object	27.4	--	--	72.2	--	--	--	--	--	25.3	28.8
Struck against object	14.5	--	--	31.1	--	--	--	--	--	17.0	--
Caught in equipment or object	9.5	--	--	--	--	--	--	--	--	2.7	23.2
Fall to lower level	14.6	--	--	36.3	--	--	--	--	--	8.8	25.5
Fall to same level	23.0	--	--	--	--	--	--	--	--	20.5	25.7
Slips, trips, loss of balance--without fall	8.9	--	--	--	--	--	--	--	--	8.0	--
Overexertion	60.0	--	--	229.6	--	--	--	--	--	48.3	73.4
Overexertion in lifting	30.4	--	--	119.5	--	--	--	--	--	21.3	43.9
Repetitive motion	7.0	--	--	19.1	--	--	--	--	--	8.3	--
Exposure to harmful substances	17.4	--	--	30.9	--	--	--	--	--	10.1	31.8
Transportation accidents	14.7	--	--	57.5	--	--	--	--	--	3.2	32.4
Fires and explosions	2.0	--	--	--	--	--	--	--	--	--	--
Assaults and violent acts by person	15.4	--	--	--	--	--	--	--	--	5.2	37.4

¹ Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: (N/EH) x 20,000,000 where

N = number of injuries and illnesses
EH = total hours worked by all employees during calendar year
20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

² Days away from work cases include those which result in days away from work with or without restricted work activity.

³ Excludes farms with fewer than 11 employees.

⁴ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 5. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and industry division, 1998

Michigan--local government

Characteristic	Local government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total [7,560 cases]	100.0	--	--	100.0	--	--	--	--	--	100.0	100.0
Nature of injury, illness:											
Sprains, strains	47.4	--	--	51.0	--	--	--	--	--	41.7	51.3
Bruises, contusions	9.7	--	--	3.5	--	--	--	--	--	8.4	11.2
Cuts, lacerations	6.4	--	--	3.8	--	--	--	--	--	11.0	--
Fractures	5.4	--	--	9.2	--	--	--	--	--	6.1	4.5
Heat burns	1.4	--	--	--	--	--	--	--	--	2.4	--
Carpal tunnel syndrome	1.8	--	--	2.1	--	--	--	--	--	3.4	--
Tendonitis	0.7	--	--	--	--	--	--	--	--	1.3	--
Chemical burns	--	--	--	--	--	--	--	--	--	--	--
Amputations	2.4	--	--	--	--	--	--	--	--	--	4.6
Multiple injuries	4.8	--	--	7.1	--	--	--	--	--	5.0	4.5
Part of body affected:											
Head	8.0	--	--	--	--	--	--	--	--	7.7	9.2
Eye	5.6	--	--	--	--	--	--	--	--	5.7	6.2
Neck	1.0	--	--	--	--	--	--	--	--	0.6	--
Trunk	34.7	--	--	52.5	--	--	--	--	--	32.9	34.4
Shoulder	7.5	--	--	5.3	--	--	--	--	--	6.4	8.7
Back	20.6	--	--	37.2	--	--	--	--	--	21.6	17.5
Upper extremities	18.0	--	--	17.9	--	--	--	--	--	22.8	13.9
Wrist	5.2	--	--	5.9	--	--	--	--	--	5.4	5.1
Hand, except finger	2.8	--	--	2.9	--	--	--	--	--	5.2	--
Finger	7.1	--	--	7.0	--	--	--	--	--	7.9	6.6
Lower extremities	24.6	--	--	20.4	--	--	--	--	--	24.1	25.5
Knee	7.2	--	--	10.4	--	--	--	--	--	7.7	6.3
Foot, except toe	4.6	--	--	--	--	--	--	--	--	3.3	6.0
Toe	1.8	--	--	--	--	--	--	--	--	1.5	--
Body systems	4.1	--	--	--	--	--	--	--	--	1.1	7.4
Multiple parts	7.5	--	--	7.7	--	--	--	--	--	6.9	7.8

See footnotes at end of table.

Table 5. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and industry division, 1998 --- Continued

Michigan--local government											
Characteristic	Local government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Source of injury, illness:											
Chemicals and chemical products	0.7	--	--	--	--	--	--	--	--	--	--
Containers	9.4	--	--	3.1	--	--	--	--	--	11.8	8.1
Furniture and fixtures	3.4	--	--	--	--	--	--	--	--	6.0	--
Machinery	3.9	--	--	10.6	--	--	--	--	--	3.1	4.1
Parts and materials	6.6	--	--	16.3	--	--	--	--	--	1.6	10.3
Worker motion or position	18.2	--	--	15.4	--	--	--	--	--	16.9	19.6
Floors, walkways, ground surfaces	14.1	--	--	8.0	--	--	--	--	--	16.5	12.4
Tools, instruments, and equipment	8.1	--	--	12.8	--	--	--	--	--	13.3	3.3
Vehicles	10.1	--	--	13.1	--	--	--	--	--	3.3	14.4
Health care patient	6.9	--	--	--	--	--	--	--	--	10.4	4.4
Event or exposure:											
Contact with objects and equipment	22.0	--	--	24.2	--	--	--	--	--	27.4	17.1
Struck by object	10.6	--	--	11.7	--	--	--	--	--	14.4	7.3
Struck against object	5.6	--	--	5.0	--	--	--	--	--	9.7	--
Caught in equipment or object	3.7	--	--	--	--	--	--	--	--	1.6	5.9
Fall to lower level	5.7	--	--	5.9	--	--	--	--	--	5.0	6.5
Fall to same level	8.9	--	--	--	--	--	--	--	--	11.7	6.5
Slips, trips, loss of balance--without fall	3.5	--	--	--	--	--	--	--	--	4.5	--
Overexertion	23.3	--	--	37.1	--	--	--	--	--	27.5	18.6
Overexertion in lifting	11.8	--	--	19.3	--	--	--	--	--	12.1	11.1
Repetitive motion	2.7	--	--	3.1	--	--	--	--	--	4.7	--
Exposure to harmful substances	6.7	--	--	5.0	--	--	--	--	--	5.8	8.1
Transportation accidents	5.7	--	--	9.3	--	--	--	--	--	1.8	8.2
Fires and explosions	0.8	--	--	--	--	--	--	--	--	--	--
Assaults and violent acts by person	6.0	--	--	--	--	--	--	--	--	2.9	9.5

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 4. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and industry division, 1998

Michigan--local government

Characteristic	Local government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total	7,560	--	--	329	--	--	--	--	--	3,346	3,722
Nature of injury, illness:											
Sprains, strains	3,581	--	--	168	--	--	--	--	--	1,395	1,911
Bruises, contusions	735	--	--	11	--	--	--	--	--	282	418
Cuts, lacerations	482	--	--	12	--	--	--	--	--	368	--
Fractures	407	--	--	30	--	--	--	--	--	203	168
Heat burns	103	--	--	--	--	--	--	--	--	79	--
Carpal tunnel syndrome	137	--	--	7	--	--	--	--	--	115	--
Tendonitis	51	--	--	--	--	--	--	--	--	42	--
Chemical burns	--	--	--	--	--	--	--	--	--	--	--
Amputations	180	--	--	--	--	--	--	--	--	--	172
Multiple injuries	364	--	--	23	--	--	--	--	--	167	167
Part of body affected:											
Head	606	--	--	--	--	--	--	--	--	258	341
Eye	422	--	--	--	--	--	--	--	--	191	230
Neck	79	--	--	--	--	--	--	--	--	20	--
Trunk	2,627	--	--	173	--	--	--	--	--	1,100	1,282
Shoulder	567	--	--	18	--	--	--	--	--	216	326
Back	1,560	--	--	123	--	--	--	--	--	724	652
Upper extremities	1,364	--	--	59	--	--	--	--	--	763	518
Wrist	392	--	--	19	--	--	--	--	--	182	190
Hand, except finger	212	--	--	9	--	--	--	--	--	173	--
Finger	536	--	--	23	--	--	--	--	--	264	245
Lower extremities	1,860	--	--	67	--	--	--	--	--	805	950
Knee	545	--	--	34	--	--	--	--	--	259	234
Foot, except toe	347	--	--	--	--	--	--	--	--	111	223
Toe	135	--	--	--	--	--	--	--	--	50	--
Body systems	311	--	--	--	--	--	--	--	--	36	274
Multiple parts	564	--	--	25	--	--	--	--	--	230	289

See footnotes at end of table.

Table 4. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and industry division, 1998 --- Continued

Michigan--local government											
Characteristic	Local government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Source of injury, illness:											
Chemicals and chemical products	52	--	--	--	--	--	--	--	--	--	--
Containers	708	--	--	10	--	--	--	--	--	394	303
Furniture and fixtures	254	--	--	--	--	--	--	--	--	200	--
Machinery	294	--	--	35	--	--	--	--	--	104	154
Parts and materials	503	--	--	54	--	--	--	--	--	52	383
Worker motion or position	1,373	--	--	51	--	--	--	--	--	566	730
Floors, walkways, ground surfaces	1,065	--	--	26	--	--	--	--	--	552	461
Tools, instruments, and equipment	615	--	--	42	--	--	--	--	--	445	122
Vehicles	765	--	--	43	--	--	--	--	--	111	535
Health care patient	525	--	--	--	--	--	--	--	--	348	165
Event or exposure:											
Contact with objects and equipment	1,660	--	--	80	--	--	--	--	--	915	637
Struck by object	802	--	--	38	--	--	--	--	--	482	271
Struck against object	426	--	--	17	--	--	--	--	--	325	--
Caught in equipment or object	279	--	--	--	--	--	--	--	--	52	218
Fall to lower level	428	--	--	19	--	--	--	--	--	168	241
Fall to same level	674	--	--	--	--	--	--	--	--	391	242
Slips, trips, loss of balance--without fall	262	--	--	--	--	--	--	--	--	152	--
Overexertion	1,758	--	--	122	--	--	--	--	--	921	692
Overexertion in lifting	892	--	--	64	--	--	--	--	--	405	414
Repetitive motion	206	--	--	10	--	--	--	--	--	157	--
Exposure to harmful substances	510	--	--	17	--	--	--	--	--	193	300
Transportation accidents	432	--	--	31	--	--	--	--	--	61	305
Fires and explosions	58	--	--	--	--	--	--	--	--	--	--
Assaults and violent acts by person	451	--	--	--	--	--	--	--	--	98	352

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 3. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by selected worker occupations and industry division, 1998

Michigan--local government											
Occupation	Local government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total	7,560	--	--	329	--	--	--	--	--	3,346	3,722
Janitors and cleaners	1,092	--	--	--	--	--	--	--	--	776	309
Police and detectives, public service	714	--	--	--	--	--	--	--	--	--	714
Nursing aides, orderlies, and attendants	667	--	--	--	--	--	--	--	--	490	177
Firefighting occupations	614	--	--	--	--	--	--	--	--	--	614
Elementary school teachers, exc. postsecondary	501	--	--	--	--	--	--	--	--	499	--
Groundskeepers and gardeners, exc. farm	274	--	--	--	--	--	--	--	--	48	225
Teachers' aides	242	--	--	--	--	--	--	--	--	242	--
Bus drivers	215	--	--	--	--	--	--	--	--	99	--
Power plant operators	169	--	--	--	--	--	--	--	--	--	166
Secondary school teachers, exc. postsecondary	169	--	--	--	--	--	--	--	--	169	--
Supervisors, production occupations	167	--	--	--	--	--	--	--	--	--	166
Sheriffs, bailiffs, and law enforcement officers	132	--	--	--	--	--	--	--	--	--	132
Supervisors, firefighting occupations	126	--	--	--	--	--	--	--	--	--	126
Cooks	114	--	--	--	--	--	--	--	--	114	--
Truck drivers	95	--	--	87	--	--	--	--	--	--	--
Laborers, nonconstruction	88	--	--	--	--	--	--	--	--	--	--
Registered nurses	88	--	--	--	--	--	--	--	--	54	--
Social workers	84	--	--	--	--	--	--	--	--	--	--
Supervisors, food preparation and service occupations	74	--	--	--	--	--	--	--	--	74	--
Secretaries	70	--	--	--	--	--	--	--	--	44	--
Computer operators	69	--	--	--	--	--	--	--	--	69	--
Licensed practical nurses	58	--	--	--	--	--	--	--	--	58	--
Administrators, education and related fields	58	--	--	--	--	--	--	--	--	58	--
Construction laborers	57	--	--	31	--	--	--	--	--	--	--
Operating engineers	56	--	--	49	--	--	--	--	--	--	--
Water and sewage treatment plant operators	45	--	--	--	--	--	--	--	--	--	--
Miscellaneous food preparation occupations	45	--	--	--	--	--	--	--	--	42	--
General office clerks	41	--	--	--	--	--	--	--	--	--	--
Public transportation attendants	19	--	--	--	--	--	--	--	--	--	--

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 2. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected worker characteristics and industry division, 1998

Michigan--local government											
Characteristic	Local government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total [7,560 cases]	100.0	--	--	100.0	--	--	--	--	--	100.0	100.0
Sex:											
Men	60.2	--	--	97.2	--	--	--	--	--	34.3	80.6
Women	39.6	--	--	2.8	--	--	--	--	--	65.4	19.3
Age:											
14 to 15	--	--	--	--	--	--	--	--	--	--	--
16 to 19	1.6	--	--	--	--	--	--	--	--	--	2.8
20 to 24	2.9	--	--	--	--	--	--	--	--	2.2	3.9
25 to 34	22.5	--	--	9.7	--	--	--	--	--	14.7	30.5
35 to 44	24.3	--	--	29.9	--	--	--	--	--	22.8	24.5
45 to 54	35.7	--	--	42.6	--	--	--	--	--	44.0	28.2
55 to 64	8.9	--	--	15.9	--	--	--	--	--	13.7	4.0
65 and over	2.9	--	--	--	--	--	--	--	--	--	5.2
Occupation:											
Managerial and professional specialty	14.0	--	--	--	--	--	--	--	--	26.3	4.6
Technical, sales, and administrative support	9.2	--	--	--	--	--	--	--	--	15.0	4.2
Service	54.0	--	--	--	--	--	--	--	--	49.0	64.8
Farming, forestry, and fishing	3.9	--	--	--	--	--	--	--	--	1.4	6.5
Precision production, craft, and repair	9.8	--	--	27.1	--	--	--	--	--	4.0	13.1
Operators, fabricators, and laborers	8.4	--	--	69.5	--	--	--	--	--	3.8	5.6
Length of service with employer:											
Less than 3 months	2.9	--	--	--	--	--	--	--	--	2.5	3.7
3 to 11 months	5.7	--	--	--	--	--	--	--	--	6.7	5.5
1 to 5 years	26.6	--	--	18.2	--	--	--	--	--	22.5	31.7
More than 5 years	54.5	--	--	74.9	--	--	--	--	--	59.5	50.1
Not reported	10.2	--	--	5.7	--	--	--	--	--	8.8	9.1
Race or ethnic origin:											
White, non-Hispanic	59.5	--	--	63.8	--	--	--	--	--	69.7	51.9
Black, non-Hispanic	4.5	--	--	--	--	--	--	--	--	5.9	3.3
Hispanic	0.5	--	--	--	--	--	--	--	--	--	--
Asian or Pacific Islander	1.2	--	--	--	--	--	--	--	--	--	--
American Indian or Alaskan Native	0.6	--	--	2.1	--	--	--	--	--	--	--
Not reported	33.7	--	--	32.8	--	--	--	--	--	22.3	42.3

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 1. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by selected worker characteristics and industry division, 1998

Michigan--local government											
Characteristic	Local government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total	7,560	--	--	329	--	--	--	--	--	3,346	3,722
Sex:											
Men	4,550	--	--	320	--	--	--	--	--	1,147	2,999
Women	2,996	--	--	9	--	--	--	--	--	2,189	719
Age:											
14 to 15	--	--	--	--	--	--	--	--	--	--	--
16 to 19	119	--	--	--	--	--	--	--	--	--	105
20 to 24	220	--	--	--	--	--	--	--	--	72	146
25 to 34	1,704	--	--	32	--	--	--	--	--	492	1,135
35 to 44	1,834	--	--	99	--	--	--	--	--	764	912
45 to 54	2,699	--	--	140	--	--	--	--	--	1,471	1,050
55 to 64	673	--	--	52	--	--	--	--	--	459	150
65 and over	223	--	--	--	--	--	--	--	--	--	195
Occupation:											
Managerial and professional specialty	1,056	--	--	--	--	--	--	--	--	881	169
Technical, sales, and administrative support	696	--	--	--	--	--	--	--	--	503	155
Service	4,080	--	--	--	--	--	--	--	--	1,640	2,413
Farming, forestry, and fishing	293	--	--	--	--	--	--	--	--	48	243
Precision production, craft, and repair	743	--	--	89	--	--	--	--	--	135	487
Operators, fabricators, and laborers	636	--	--	229	--	--	--	--	--	128	210
Length of service with employer:											
Less than 3 months	223	--	--	--	--	--	--	--	--	83	136
3 to 11 months	428	--	--	--	--	--	--	--	--	223	205
1 to 5 years	2,012	--	--	60	--	--	--	--	--	754	1,180
More than 5 years	4,124	--	--	247	--	--	--	--	--	1,990	1,864
Not reported	773	--	--	19	--	--	--	--	--	296	338
Race or ethnic origin:											
White, non-Hispanic	4,496	--	--	210	--	--	--	--	--	2,331	1,933
Black, non-Hispanic	343	--	--	--	--	--	--	--	--	197	124
Hispanic	37	--	--	--	--	--	--	--	--	--	--
Asian or Pacific Islander	91	--	--	--	--	--	--	--	--	--	--
American Indian or Alaskan Native	43	--	--	7	--	--	--	--	--	--	--
Not reported	2,551	--	--	108	--	--	--	--	--	745	1,576

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 10. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by industry division and number of days away from work, 1998

Michigan--state government

Characteristic	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Private industry ² [2,115 cases]	100.0	13.0	14.6	24.1	13.1	11.4	5.0	18.7	5.0
Goods producing:									
Agriculture, forestry, and fishing ²	--	--	--	--	--	--	--	--	--
Mining ³	--	--	--	--	--	--	--	--	--
Construction	--	--	--	--	--	--	--	--	--
Manufacturing	--	--	--	--	--	--	--	--	--
Durable goods	--	--	--	--	--	--	--	--	--
Nondurable goods	--	--	--	--	--	--	--	--	--
Service producing:									
Transportation and public utilities ³	--	--	--	--	--	--	--	--	--
Wholesale trade	--	--	--	--	--	--	--	--	--
Retail trade	--	--	--	--	--	--	--	--	--
Finance, insurance, and real estate	--	--	--	--	--	--	--	--	--
Services	100.0	14.9	12.5	24.0	13.1	14.9	5.8	14.9	5.0
Public Administration	100.0	11.4	16.4	24.3	13.2	8.4	4.2	22.1	5.0

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data from nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 9. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and number of days away from work, 1998

Michigan--state government

Characteristic	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Total [2,115 cases]	100.0	13.0	14.6	24.1	13.1	11.4	5.0	18.7	5
Nature of injury, illness:									
Sprains, strains	100.0	10.9	13.5	26.2	13.4	13.6	4.9	17.5	5
Bruises, contusions	100.0	25.5	16.2	17.9	21.3	7.0	1.5	10.5	3
Cuts, lacerations	100.0	15.2	11.5	5.1	43.1	--	25.2	--	8
Fractures	100.0	7.3	13.6	39.1	8.6	13.0	4.9	13.6	5
Heat burns	--	--	--	--	--	--	--	--	--
Carpal tunnel syndrome	100.0	--	2.5	14.0	--	48.6	17.7	17.2	17
Tendonitis	100.0	--	--	--	10.0	--	20.3	69.7	33
Chemical burns	100.0	35.7	--	35.7	28.6	--	--	--	3
Amputations	--	--	--	--	--	--	--	--	--
Multiple injuries	100.0	9.1	12.6	38.1	7.6	5.8	9.4	17.5	5
Part of body affected:									
Head	100.0	26.1	15.3	24.3	9.7	7.3	3.0	14.4	3
Eye	100.0	45.9	13.8	40.3	--	--	--	--	2
Neck	100.0	19.6	3.9	52.0	3.8	4.6	--	16.1	5
Trunk	100.0	12.2	9.5	26.2	10.7	8.2	5.9	27.3	7
Shoulder	100.0	15.1	2.4	1.3	26.3	2.4	2.9	49.7	29
Back	100.0	12.7	9.9	23.6	10.6	10.6	7.9	24.8	7
Upper extremities	100.0	11.3	28.7	22.6	6.8	14.7	2.9	13.1	4
Wrist	100.0	4.3	27.4	24.1	2.1	22.7	7.1	12.2	5
Hand, except finger	100.0	21.0	25.3	34.3	--	1.4	--	18.0	4
Finger	100.0	8.6	29.6	33.0	--	23.7	--	5.0	4
Lower extremities	100.0	10.9	15.4	24.1	15.4	17.3	5.9	10.9	5
Knee	100.0	4.0	16.0	27.3	13.0	20.1	10.0	9.7	6
Foot, except toe	100.0	17.8	11.1	--	49.9	18.7	--	2.5	7
Toe	100.0	23.4	--	36.3	2.7	26.1	11.5	--	4
Body systems	100.0	--	7.3	3.5	--	9.1	11.0	69.2	70
Multiple parts	100.0	15.0	6.7	19.6	30.3	6.2	4.8	17.5	6

See footnotes at end of table.

Table 9. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and number of days away from work, 1998 -- Continued

Michigan--state government

Characteristic	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Source of injury, illness:									
Chemicals and chemical products	100.0	40.3	--	59.7	--	--	--	--	3
Containers	100.0	13.0	6.4	33.8	17.0	8.6	2.1	19.2	5
Furniture and fixtures	100.0	13.9	12.4	20.7	28.6	2.6	7.0	14.8	6
Machinery	100.0	--	--	34.7	1.8	25.8	32.1	5.5	16
Parts and materials	100.0	8.5	3.9	16.3	28.1	--	5.9	37.4	6
Worker motion or position	100.0	8.4	9.1	25.8	9.3	23.5	8.0	15.8	7
Floors, walkways, ground surfaces	100.0	14.2	21.2	16.3	17.7	3.8	4.0	22.8	5
Tools, instruments, and equipment	100.0	3.2	29.4	26.8	16.0	7.1	--	17.4	3
Vehicles	100.0	13.4	6.5	51.0	2.2	17.1	1.1	8.7	5
Health care patient	100.0	15.5	9.2	30.8	13.4	13.6	5.3	12.2	4
Event or exposure:									
Contact with objects and equipment	100.0	15.9	21.3	28.9	12.7	8.1	2.4	10.7	4
Struck by object	100.0	14.9	25.6	29.4	9.6	7.1	1.6	11.7	4
Struck against object	100.0	36.3	12.0	--	11.3	18.6	12.5	9.3	6
Caught in equipment or object	--	--	--	--	--	--	--	--	--
Fall to lower level	100.0	17.0	7.8	13.3	22.1	5.3	8.0	26.6	7
Fall to same level	100.0	11.6	25.0	21.9	15.4	1.7	2.5	21.9	3
Slips, trips, loss of balance--without fall	100.0	18.6	18.6	24.6	5.4	11.0	7.8	14.0	4
Overexertion	100.0	11.8	16.3	18.8	14.1	12.5	7.0	19.5	7
Overexertion in lifting	100.0	12.7	17.4	19.6	15.8	7.7	4.7	22.0	6
Repetitive motion	100.0	--	2.9	16.2	1.6	32.0	16.6	30.7	18
Exposure to harmful substances	100.0	23.8	9.6	16.4	--	9.4	5.6	35.2	13
Transportation accidents	100.0	19.6	3.5	59.6	--	10.2	--	7.1	5
Fires and explosions	--	--	--	--	--	--	--	--	--
Assaults and violent acts by person	100.0	14.8	6.9	25.9	16.8	11.7	3.5	20.5	6

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

Table 8. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected occupations and number of days away from work, 1998

Michigan--state government

Occupation	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Total [2,115 cases]	100.0	13.0	14.6	24.1	13.1	11.4	5.0	18.7	5
Correctional institution officers	100.0	15.9	8.2	18.2	18.2	11.8	--	27.9	7
Nursing aides, orderlies, and attendants	100.0	11.7	18.5	28.1	8.9	16.4	5.0	11.4	4
Police and detectives, public service	100.0	--	15.5	63.7	--	5.4	--	15.5	5
Janitors and cleaners	100.0	12.3	18.6	9.6	11.5	11.6	13.8	22.6	8
Laborers, nonconstruction	100.0	16.4	26.4	23.9	22.5	5.1	--	5.8	3
Licensed practical nurses	100.0	18.6	--	25.8	22.2	7.1	17.0	9.4	6
Registered nurses	100.0	11.5	13.8	55.9	10.1	--	--	8.7	4
Secretaries	100.0	4.0	31.4	21.2	3.4	16.9	--	23.1	4
Miscellaneous food preparation occupations	100.0	12.9	6.3	37.2	--	18.7	--	24.8	4
Groundskeepers and gardeners, exc. farm	100.0	5.1	4.4	49.9	9.5	15.4	6.8	9.0	4
Sheriffs, bailiffs, and law enforcement officers	100.0	11.1	--	44.4	22.2	--	11.1	11.1	4
Stock and inventory clerks	100.0	59.2	--	37.2	--	--	--	3.6	1
Painters, construction and maintenance	100.0	--	--	--	--	96.1	3.9	--	16
General office clerks	100.0	3.7	--	6.7	--	32.1	21.0	36.5	25
Plumbers, pipefitters, and steamfitters	100.0	3.8	--	17.5	--	3.8	57.6	17.2	29
Cooks	100.0	76.8	--	8.0	15.2	--	--	--	1
Maids and housemen	100.0	--	--	--	45.4	--	12.1	42.6	24
Social workers	100.0	26.3	4.6	21.9	--	25.4	--	21.9	3
Heating, air conditioning, refrigeration mechanics	100.0	--	--	77.3	18.1	4.5	--	--	3
Eligibility clerks, social welfare	100.0	--	55.2	--	--	--	--	44.8	2
Truck drivers	100.0	26.6	48.3	18.7	--	--	--	6.4	2
Data-entry keyers	100.0	--	40.0	13.6	--	38.3	--	8.0	4
Mail clerks, exc. postal service	100.0	--	--	--	100.0	--	--	--	7
Lawyers	100.0	--	100.0	--	--	--	--	--	2
Health record technologists and technicians	100.0	--	--	--	75.6	--	24.4	--	7
Painting and paint spraying machine operators	100.0	--	79.5	9.3	--	--	11.2	--	2
Physical therapists	100.0	100.0	--	--	--	--	--	--	1
Supervisors, related agricultural occupations	100.0	--	--	--	70.1	--	--	29.9	6
Automobile mechanics	100.0	10.5	--	--	89.5	--	--	--	8
Carpenters	100.0	--	24.7	--	--	10.8	--	64.4	40
Sales workers, other commodities	100.0	50.0	--	--	--	--	--	50.0	1

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

Table 7. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected worker characteristics and number of days away from work, 1998

Michigan--state government

Characteristic	Total cases	Percent of cases involving							Median days away from work
		1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days or more	
Total [2,115 cases]	100.0	13.0	14.6	24.1	13.1	11.4	5.0	18.7	5
Sex:									
Men	100.0	13.4	14.8	21.2	14.4	12.8	5.6	17.8	6
Women	100.0	12.6	13.9	26.6	12.1	10.2	4.4	20.2	5
Age:									
14 to 15	--	--	--	--	--	--	--	--	--
16 to 19	100.0	47.3	28.8	24.0	--	--	--	--	2
20 to 24	100.0	6.6	6.4	45.0	22.1	14.6	5.3	--	5
25 to 34	100.0	20.8	13.7	30.8	10.6	4.5	3.0	16.7	4
35 to 44	100.0	9.9	14.8	22.8	14.6	15.2	3.9	18.9	6
45 to 54	100.0	11.4	12.4	21.6	13.0	12.4	7.9	21.3	7
55 to 64	100.0	8.3	26.7	11.3	13.1	12.0	4.7	23.8	7
65 and over	100.0	--	--	47.9	11.5	--	--	40.6	8
Occupation:									
Managerial and professional specialty	100.0	11.9	21.1	30.3	10.0	5.1	4.8	16.8	4
Technical, sales, and administrative support	100.0	19.3	15.4	16.1	12.3	12.3	8.6	16.1	5
Service	100.0	12.9	10.7	26.8	13.5	10.9	2.9	22.4	5
Farming, forestry, and fishing	100.0	3.5	13.8	34.0	16.8	10.5	4.6	16.9	4
Precision production, craft, and repair	100.0	2.7	14.5	15.6	12.9	24.4	11.5	18.4	11
Operators, fabricators, and laborers	100.0	13.8	27.0	23.7	15.9	7.1	3.3	9.1	3
Length of service with employer:									
Less than 3 months	100.0	21.8	18.8	48.3	2.1	--	8.9	--	4
3 to 11 months	100.0	3.2	14.8	26.9	9.2	11.2	--	34.8	6
1 to 5 years	100.0	20.6	15.6	30.9	10.7	7.4	4.4	10.4	4
More than 5 years	100.0	10.9	14.3	21.0	15.0	13.3	5.3	20.2	6
Race or ethnic origin:									
White, non-Hispanic	100.0	10.5	18.2	24.5	14.1	11.5	3.6	17.6	5
Black, non-Hispanic	100.0	14.2	7.8	23.7	14.7	10.9	9.0	19.8	6
Hispanic	100.0	7.8	13.1	--	25.8	--	2.6	50.7	44
Asian or Pacific Islander	--	--	--	--	--	--	--	--	--
American Indian or Alaskan Native	--	--	--	--	--	--	--	--	--

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

Table 6. Incidence rates¹ for nonfatal occupational injuries and illnesses involving days away from work² per 10,000 full-time workers for selected characteristics and industry division, 1998

Michigan--state government											
Characteristic	State government ³	Goods producing				Service producing					
		Agriculture, forestry, and fishing ³	Mining ⁴	Construction	Manufacturing	Transportation and public utilities ⁴	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total [2,115 cases]	152.0	--	--	--	--	--	--	--	--	107.0	242.3
Nature of injury, illness:											
Sprains, strains	71.7	--	--	--	--	--	--	--	--	50.4	114.5
Bruises, contusions	20.5	--	--	--	--	--	--	--	--	19.3	22.8
Cuts, lacerations	1.5	--	--	--	--	--	--	--	--	--	3.1
Fractures	12.5	--	--	--	--	--	--	--	--	7.4	22.6
Heat burns	--	--	--	--	--	--	--	--	--	--	--
Carpal tunnel syndrome	3.7	--	--	--	--	--	--	--	--	3.2	--
Tendonitis	--	--	--	--	--	--	--	--	--	1.1	--
Chemical burns	1.8	--	--	--	--	--	--	--	--	--	3.9
Amputations	--	--	--	--	--	--	--	--	--	--	--
Multiple injuries	8.1	--	--	--	--	--	--	--	--	5.5	13.1
Part of body affected:											
Head	12.8	--	--	--	--	--	--	--	--	7.7	22.9
Eye	2.8	--	--	--	--	--	--	--	--	--	7.4
Neck	4.1	--	--	--	--	--	--	--	--	2.7	6.7
Trunk	45.7	--	--	--	--	--	--	--	--	39.4	58.2
Shoulder	6.0	--	--	--	--	--	--	--	--	4.4	9.2
Back	26.9	--	--	--	--	--	--	--	--	22.9	34.9
Upper extremities	25.7	--	--	--	--	--	--	--	--	19.0	39.0
Wrist	9.1	--	--	--	--	--	--	--	--	7.1	13.2
Hand, except finger	5.5	--	--	--	--	--	--	--	--	5.2	--
Finger	4.4	--	--	--	--	--	--	--	--	4.7	3.9
Lower extremities	42.7	--	--	--	--	--	--	--	--	24.2	79.8
Knee	16.9	--	--	--	--	--	--	--	--	11.1	28.6
Foot, except toe	6.1	--	--	--	--	--	--	--	--	5.5	7.1
Toe	2.8	--	--	--	--	--	--	--	--	1.8	--
Body systems	3.9	--	--	--	--	--	--	--	--	1.6	8.3
Multiple parts	15.8	--	--	--	--	--	--	--	--	12.0	23.4

See footnotes at end of table.

Table 6. Incidence rates¹ for nonfatal occupational injuries and illnesses involving days away from work² per 10,000 full-time workers for selected characteristics and industry division, 1998 --- Continued

Michigan--state government											
Characteristic	State government ³	Goods producing				Service producing					
		Agriculture, forestry, and fishing ³	Mining ⁴	Construction	Manufacturing	Transportation and public utilities ⁴	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Source of injury, illness:											
Chemicals and chemical products	1.9	--	--	--	--	--	--	--	--	--	--
Containers	14.4	--	--	--	--	--	--	--	--	13.8	15.5
Furniture and fixtures	5.9	--	--	--	--	--	--	--	--	4.2	9.2
Machinery	4.2	--	--	--	--	--	--	--	--	5.0	2.8
Parts and materials	5.5	--	--	--	--	--	--	--	--	4.4	7.7
Worker motion or position	28.7	--	--	--	--	--	--	--	--	17.7	50.9
Floors, walkways, ground surfaces	30.8	--	--	--	--	--	--	--	--	19.7	52.9
Tools, instruments, and equipment	9.2	--	--	--	--	--	--	--	--	5.6	16.4
Vehicles	7.1	--	--	--	--	--	--	--	--	4.6	12.1
Health care patient	13.7	--	--	--	--	--	--	--	--	17.4	6.4
Event or exposure:											
Contact with objects and equipment	25.5	--	--	--	--	--	--	--	--	16.9	42.8
Struck by object	19.8	--	--	--	--	--	--	--	--	13.7	32.1
Struck against object	2.4	--	--	--	--	--	--	--	--	1.8	3.6
Caught in equipment or object	--	--	--	--	--	--	--	--	--	--	--
Fall to lower level	8.7	--	--	--	--	--	--	--	--	4.5	17.2
Fall to same level	23.8	--	--	--	--	--	--	--	--	18.3	34.8
Slips, trips, loss of balance--without fall	10.8	--	--	--	--	--	--	--	--	3.5	25.3
Overexertion	26.4	--	--	--	--	--	--	--	--	27.2	24.7
Overexertion in lifting	14.8	--	--	--	--	--	--	--	--	15.6	13.1
Repetitive motion	5.6	--	--	--	--	--	--	--	--	4.6	7.6
Exposure to harmful substances	7.6	--	--	--	--	--	--	--	--	2.6	17.7
Transportation accidents	4.5	--	--	--	--	--	--	--	--	1.1	11.4
Fires and explosions	--	--	--	--	--	--	--	--	--	--	--
Assaults and violent acts by person	21.1	--	--	--	--	--	--	--	--	13.8	35.5

¹ Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: (N/EH) x 20,000,000 where

N = number of injuries and illnesses
EH = total hours worked by all employees during calendar year
20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

² Days away from work cases include those which result in days away from work with or without restricted work activity.

³ Excludes farms with fewer than 11 employees.

⁴ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 5. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and industry division, 1998

Michigan--state government

Characteristic	State government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total [2,115 cases]	100.0	--	--	--	--	--	--	--	--	100.0	100.0
Nature of injury, illness:											
Sprains, strains	47.2	--	--	--	--	--	--	--	--	47.1	47.2
Bruises, contusions	13.4	--	--	--	--	--	--	--	--	18.0	9.4
Cuts, lacerations	1.0	--	--	--	--	--	--	--	--	0.7	1.3
Fractures	8.2	--	--	--	--	--	--	--	--	6.9	9.3
Heat burns	--	--	--	--	--	--	--	--	--	0.7	--
Carpal tunnel syndrome	2.4	--	--	--	--	--	--	--	--	3.0	--
Tendonitis	0.6	--	--	--	--	--	--	--	--	1.0	--
Chemical burns	1.2	--	--	--	--	--	--	--	--	0.7	1.6
Amputations	--	--	--	--	--	--	--	--	--	--	--
Multiple injuries	5.3	--	--	--	--	--	--	--	--	5.2	5.4
Part of body affected:											
Head	8.4	--	--	--	--	--	--	--	--	7.2	9.4
Eye	1.8	--	--	--	--	--	--	--	--	--	3.0
Neck	2.7	--	--	--	--	--	--	--	--	2.5	2.8
Trunk	30.0	--	--	--	--	--	--	--	--	36.9	24.0
Shoulder	3.9	--	--	--	--	--	--	--	--	4.1	3.8
Back	17.7	--	--	--	--	--	--	--	--	21.4	14.4
Upper extremities	16.9	--	--	--	--	--	--	--	--	17.8	16.1
Wrist	6.0	--	--	--	--	--	--	--	--	6.6	5.4
Hand, except finger	3.6	--	--	--	--	--	--	--	--	4.8	--
Finger	2.9	--	--	--	--	--	--	--	--	4.4	1.6
Lower extremities	28.1	--	--	--	--	--	--	--	--	22.6	32.9
Knee	11.1	--	--	--	--	--	--	--	--	10.4	11.8
Foot, except toe	4.0	--	--	--	--	--	--	--	--	5.2	2.9
Toe	1.8	--	--	--	--	--	--	--	--	1.6	--
Body systems	2.5	--	--	--	--	--	--	--	--	1.5	3.4
Multiple parts	10.4	--	--	--	--	--	--	--	--	11.2	9.7

See footnotes at end of table.

Table 5. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and industry division, 1998 --- Continued

Michigan--state government											
Characteristic	State government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Source of injury, illness:											
Chemicals and chemical products	1.2	--	--	--	--	--	--	--	--	--	--
Containers	9.4	--	--	--	--	--	--	--	--	12.9	6.4
Furniture and fixtures	3.8	--	--	--	--	--	--	--	--	3.9	3.8
Machinery	2.8	--	--	--	--	--	--	--	--	4.6	1.2
Parts and materials	3.6	--	--	--	--	--	--	--	--	4.1	3.2
Worker motion or position	18.9	--	--	--	--	--	--	--	--	16.5	21.0
Floors, walkways, ground surfaces	20.3	--	--	--	--	--	--	--	--	18.4	21.8
Tools, instruments, and equipment	6.0	--	--	--	--	--	--	--	--	5.2	6.8
Vehicles	4.7	--	--	--	--	--	--	--	--	4.3	5.0
Health care patient	9.0	--	--	--	--	--	--	--	--	16.3	2.6
Event or exposure:											
Contact with objects and equipment	16.8	--	--	--	--	--	--	--	--	15.8	17.7
Struck by object	13.0	--	--	--	--	--	--	--	--	12.8	13.2
Struck against object	1.6	--	--	--	--	--	--	--	--	1.7	1.5
Caught in equipment or object	--	--	--	--	--	--	--	--	--	0.7	--
Fall to lower level	5.7	--	--	--	--	--	--	--	--	4.2	7.1
Fall to same level	15.6	--	--	--	--	--	--	--	--	17.1	14.4
Slips, trips, loss of balance--without fall	7.1	--	--	--	--	--	--	--	--	3.3	10.4
Overexertion	17.4	--	--	--	--	--	--	--	--	25.5	10.2
Overexertion in lifting	9.7	--	--	--	--	--	--	--	--	14.6	5.4
Repetitive motion	3.7	--	--	--	--	--	--	--	--	4.3	3.1
Exposure to harmful substances	5.0	--	--	--	--	--	--	--	--	2.4	7.3
Transportation accidents	3.0	--	--	--	--	--	--	--	--	1.0	4.7
Fires and explosions	--	--	--	--	--	--	--	--	--	0.7	--
Assaults and violent acts by person	13.8	--	--	--	--	--	--	--	--	12.9	14.7

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 4. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and industry division, 1998

Michigan--state government

Characteristic	State government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total	2,115	--	--	--	--	--	--	--	--	992	1,123
Nature of injury, illness:											
Sprains, strains	998	--	--	--	--	--	--	--	--	467	530
Bruises, contusions	284	--	--	--	--	--	--	--	--	179	106
Cuts, lacerations	21	--	--	--	--	--	--	--	--	7	14
Fractures	174	--	--	--	--	--	--	--	--	69	105
Heat burns	--	--	--	--	--	--	--	--	--	7	--
Carpal tunnel syndrome	51	--	--	--	--	--	--	--	--	30	--
Tendonitis	13	--	--	--	--	--	--	--	--	10	--
Chemical burns	25	--	--	--	--	--	--	--	--	7	18
Amputations	--	--	--	--	--	--	--	--	--	--	--
Multiple injuries	112	--	--	--	--	--	--	--	--	51	61
Part of body affected:											
Head	177	--	--	--	--	--	--	--	--	72	106
Eye	38	--	--	--	--	--	--	--	--	--	34
Neck	56	--	--	--	--	--	--	--	--	25	31
Trunk	635	--	--	--	--	--	--	--	--	366	270
Shoulder	83	--	--	--	--	--	--	--	--	41	43
Back	374	--	--	--	--	--	--	--	--	213	162
Upper extremities	357	--	--	--	--	--	--	--	--	176	181
Wrist	127	--	--	--	--	--	--	--	--	66	61
Hand, except finger	76	--	--	--	--	--	--	--	--	48	--
Finger	62	--	--	--	--	--	--	--	--	44	18
Lower extremities	594	--	--	--	--	--	--	--	--	224	370
Knee	235	--	--	--	--	--	--	--	--	103	133
Foot, except toe	84	--	--	--	--	--	--	--	--	51	33
Toe	39	--	--	--	--	--	--	--	--	16	--
Body systems	54	--	--	--	--	--	--	--	--	15	39
Multiple parts	220	--	--	--	--	--	--	--	--	111	108

See footnotes at end of table.

Table 4. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by selected injury or illness characteristics and industry division, 1998 --- Continued

Michigan--state government											
Characteristic	State government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Source of injury, illness:											
Chemicals and chemical products	26	--	--	--	--	--	--	--	--	--	--
Containers	200	--	--	--	--	--	--	--	--	128	72
Furniture and fixtures	81	--	--	--	--	--	--	--	--	39	43
Machinery	59	--	--	--	--	--	--	--	--	46	13
Parts and materials	76	--	--	--	--	--	--	--	--	41	36
Worker motion or position	399	--	--	--	--	--	--	--	--	164	236
Floors, walkways, ground surfaces	428	--	--	--	--	--	--	--	--	183	245
Tools, instruments, and equipment	127	--	--	--	--	--	--	--	--	52	76
Vehicles	99	--	--	--	--	--	--	--	--	43	56
Health care patient	191	--	--	--	--	--	--	--	--	161	30
Event or exposure:											
Contact with objects and equipment	355	--	--	--	--	--	--	--	--	157	198
Struck by object	275	--	--	--	--	--	--	--	--	127	149
Struck against object	33	--	--	--	--	--	--	--	--	17	17
Caught in equipment or object	--	--	--	--	--	--	--	--	--	7	--
Fall to lower level	121	--	--	--	--	--	--	--	--	41	80
Fall to same level	331	--	--	--	--	--	--	--	--	169	161
Slips, trips, loss of balance--without fall	150	--	--	--	--	--	--	--	--	33	117
Overexertion	367	--	--	--	--	--	--	--	--	253	115
Overexertion in lifting	205	--	--	--	--	--	--	--	--	145	61
Repetitive motion	78	--	--	--	--	--	--	--	--	43	35
Exposure to harmful substances	106	--	--	--	--	--	--	--	--	24	82
Transportation accidents	62	--	--	--	--	--	--	--	--	10	53
Fires and explosions	--	--	--	--	--	--	--	--	--	7	--
Assaults and violent acts by person	293	--	--	--	--	--	--	--	--	128	165

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 3. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by selected worker occupations and industry division, 1998

Michigan--state government											
Occupation	State government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total	2,115	--	--	--	--	--	--	--	--	992	1,123
Correctional institution officers	445	--	--	--	--	--	--	--	--	--	445
Nursing aides, orderlies, and attendants	145	--	--	--	--	--	--	--	--	133	--
Police and detectives, public service	135	--	--	--	--	--	--	--	--	10	126
Janitors and cleaners	110	--	--	--	--	--	--	--	--	107	--
Laborers, nonconstruction	104	--	--	--	--	--	--	--	--	--	100
Licensed practical nurses	103	--	--	--	--	--	--	--	--	94	--
Registered nurses	80	--	--	--	--	--	--	--	--	64	16
Secretaries	54	--	--	--	--	--	--	--	--	30	--
Miscellaneous food preparation occupations	49	--	--	--	--	--	--	--	--	40	--
Groundskeepers and gardeners, exc. farm	48	--	--	--	--	--	--	--	--	40	--
Sheriffs, bailiffs, and law enforcement officers	40	--	--	--	--	--	--	--	--	--	40
Stock and inventory clerks	36	--	--	--	--	--	--	--	--	23	13
Painters, construction and maintenance	33	--	--	--	--	--	--	--	--	32	--
General office clerks	30	--	--	--	--	--	--	--	--	--	30
Plumbers, pipefitters, and steamfitters	28	--	--	--	--	--	--	--	--	28	--
Cooks	25	--	--	--	--	--	--	--	--	24	--
Maids and housemen	24	--	--	--	--	--	--	--	--	21	--
Social workers	24	--	--	--	--	--	--	--	--	23	--
Heating, air conditioning, refrigeration mechanics	24	--	--	--	--	--	--	--	--	24	--
Eligibility clerks, social welfare	23	--	--	--	--	--	--	--	--	23	--
Truck drivers	17	--	--	--	--	--	--	--	--	14	--
Data-entry keyers	16	--	--	--	--	--	--	--	--	--	13
Mail clerks, exc. postal service	16	--	--	--	--	--	--	--	--	16	--
Lawyers	14	--	--	--	--	--	--	--	--	--	14
Health record technologists and technicians	12	--	--	--	--	--	--	--	--	--	12
Painting and paint spraying machine operators	11	--	--	--	--	--	--	--	--	--	--
Physical therapists	11	--	--	--	--	--	--	--	--	11	--
Supervisors, related agricultural occupations	10	--	--	--	--	--	--	--	--	10	--
Automobile mechanics	10	--	--	--	--	--	--	--	--	--	--
Carpenters	10	--	--	--	--	--	--	--	--	10	--
Sales workers, other commodities	9	--	--	--	--	--	--	--	--	--	--

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 2. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work¹ by selected worker characteristics and industry division, 1998

Michigan--state government											
Characteristic	State government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total [2,115 cases]	100.0	--	--	--	--	--	--	--	--	100.0	100.0
Sex:											
Men	49.9	--	--	--	--	--	--	--	--	38.1	60.2
Women	48.8	--	--	--	--	--	--	--	--	59.1	39.7
Age:											
14 to 15	--	--	--	--	--	--	--	--	--	--	--
16 to 19	0.9	--	--	--	--	--	--	--	--	0.8	--
20 to 24	4.0	--	--	--	--	--	--	--	--	4.3	3.7
25 to 34	20.7	--	--	--	--	--	--	--	--	16.5	24.4
35 to 44	33.1	--	--	--	--	--	--	--	--	32.6	33.6
45 to 54	29.9	--	--	--	--	--	--	--	--	35.9	24.6
55 to 64	9.9	--	--	--	--	--	--	--	--	9.1	10.6
65 and over	0.4	--	--	--	--	--	--	--	--	--	--
Occupation:											
Managerial and professional specialty	11.5	--	--	--	--	--	--	--	--	13.7	9.6
Technical, sales, and administrative support	19.6	--	--	--	--	--	--	--	--	25.4	14.5
Service	48.3	--	--	--	--	--	--	--	--	36.2	59.0
Farming, forestry, and fishing	3.3	--	--	--	--	--	--	--	--	5.4	1.5
Precision production, craft, and repair	7.6	--	--	--	--	--	--	--	--	12.6	3.2
Operators, fabricators, and laborers	8.2	--	--	--	--	--	--	--	--	4.0	11.9
Length of service with employer:											
Less than 3 months	2.4	--	--	--	--	--	--	--	--	0.9	3.7
3 to 11 months	5.2	--	--	--	--	--	--	--	--	5.9	4.6
1 to 5 years	20.0	--	--	--	--	--	--	--	--	20.7	19.3
More than 5 years	66.7	--	--	--	--	--	--	--	--	66.8	66.7
Not reported	5.7	--	--	--	--	--	--	--	--	5.8	5.7
Race or ethnic origin:											
White, non-Hispanic	49.8	--	--	--	--	--	--	--	--	26.4	70.5
Black, non-Hispanic	20.9	--	--	--	--	--	--	--	--	26.4	15.9
Hispanic	2.3	--	--	--	--	--	--	--	--	--	3.9
Asian or Pacific Islander	--	--	--	--	--	--	--	--	--	--	--
American Indian or Alaskan Native	--	--	--	--	--	--	--	--	--	--	--
Not reported	26.6	--	--	--	--	--	--	--	--	46.4	9.0

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.

Table 1. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by selected worker characteristics and industry division, 1998

Michigan--state government											
Characteristic	State government ²	Goods producing				Service producing					
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ³	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Public Administration
Total	2,115	--	--	--	--	--	--	--	--	992	1,123
Sex:											
Men	1,055	--	--	--	--	--	--	--	--	378	676
Women	1,031	--	--	--	--	--	--	--	--	586	445
Age:											
14 to 15	--	--	--	--	--	--	--	--	--	--	--
16 to 19	18	--	--	--	--	--	--	--	--	8	--
20 to 24	85	--	--	--	--	--	--	--	--	43	42
25 to 34	437	--	--	--	--	--	--	--	--	164	273
35 to 44	700	--	--	--	--	--	--	--	--	323	377
45 to 54	632	--	--	--	--	--	--	--	--	356	277
55 to 64	210	--	--	--	--	--	--	--	--	91	119
65 and over	9	--	--	--	--	--	--	--	--	--	--
Occupation:											
Managerial and professional specialty	244	--	--	--	--	--	--	--	--	136	108
Technical, sales, and administrative support	415	--	--	--	--	--	--	--	--	252	163
Service	1,021	--	--	--	--	--	--	--	--	359	662
Farming, forestry, and fishing	70	--	--	--	--	--	--	--	--	54	17
Precision production, craft, and repair	162	--	--	--	--	--	--	--	--	125	37
Operators, fabricators, and laborers	173	--	--	--	--	--	--	--	--	40	133
Length of service with employer:											
Less than 3 months	50	--	--	--	--	--	--	--	--	9	42
3 to 11 months	111	--	--	--	--	--	--	--	--	59	52
1 to 5 years	423	--	--	--	--	--	--	--	--	206	217
More than 5 years	1,410	--	--	--	--	--	--	--	--	662	748
Not reported	121	--	--	--	--	--	--	--	--	57	64
Race or ethnic origin:											
White, non-Hispanic	1,054	--	--	--	--	--	--	--	--	262	792
Black, non-Hispanic	441	--	--	--	--	--	--	--	--	262	179
Hispanic	49	--	--	--	--	--	--	--	--	--	44
Asian or Pacific Islander	--	--	--	--	--	--	--	--	--	--	--
American Indian or Alaskan Native	--	--	--	--	--	--	--	--	--	--	--
Not reported	562	--	--	--	--	--	--	--	--	460	102

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Excludes farms with fewer than 11 employees.

³ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies.